

U.S.S.N. 09/714,469
Filed: November 16, 2000
AMENDMENT

In the Claims

Claims 1-49 (canceled)

50. (previously presented) A polymer composition comprising poly-3-hydroxybutyrate-co-4-hydroxybutyrate (P3HB4HB) blend and a nucleant with no plasticizer, wherein the percentage of 4-hydroxybutyrate (4HB) in the P3HB4HB is between 16% and 99%.

51. (previously presented) The composition of claim 50 wherein the nucleant is boron nitride.

52. (previously presented) The composition of claim 50 wherein the nucleant is present at levels between 0.1 and 20 wt% of the blend.

53. (previously presented) The composition of claim 50 wherein the nucleant is present at levels between 1 and 10 wt% of the blend.

54. (previously presented) A method of producing a shaped polymeric object comprising melting a composition comprising a poly-3-hydroxybutyrate-co-4-hydroxybutyrate (P3HB4HB) blend wherein the percentage of 4-hydroxybutyrate (4HB) in the P3HB4HB is between 16% and 99% and a nucleant with no plasticizer, and producing a shaped object therefrom by extrusion, molding, coating, spinning, blowing, thermoforming or calendaring processes or combinations of the processes.

55. (previously presented) The method of claim 54 wherein the nucleant is boron nitride.

56. (previously presented) A shaped object made according to claim 54.

57. (previously presented) A shaped object made according to claim 55.

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58. (previously presented) A polymer composition comprising a poly-3-hydroxybutyrate-co-4-hydroxybutyrate (P3HB4HB) blend and a nucleant with no plasticizer, wherein the nucleant is present at a level of 0.1 wt% of the composition.

59. (previously presented) The composition of claim 58 wherein the nucleant is boron nitride.

60. (previously presented) A method of producing a shaped polymeric object comprising melting a composition comprising a poly-3-hydroxybutyrate-co-4-hydroxybutyrate (P3HB4HB) blend and a nucleant with no plasticizer, and producing a shaped object therefrom by extrusion, molding, coating, spinning, blowing, thermoforming or calendaring processes or combinations of the processes, wherein the nucleant is present at a level of 0.1 wt% of the composition.

61. (previously presented) The method of claim 60 wherein the nucleant is boron nitride.

62. (previously presented) A shaped object made comprising the composition of claim 59.

63. (previously presented) A shaped object made according to claim 60.

64. (previously presented) A polymer composition comprising poly-3-hydroxybutyrate-co-4-hydroxybutyrate (P3HB4HB) blend and a nucleant with no plasticizer wherein the composition is capable of forming a film having elongation.

65. (currently amended) The composition of claim 64 wherein the elongation at break is in the range between 560% and 1100% as measured by tensile testing on molded bars 4 mm

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wide and 20 mm gauge length) (~~5x2 mm section, 42 mm gauge length, 10 mm: min crosshead speed~~).

66. (previously presented) The composition of claim 64 wherein the nucleant is present at a level between 0.1 and 20 wt% of the composition.

67. (previously presented) The composition of claim 64 wherein the nucleant is present at a level between 1 and 10% of the composition.

68. (previously presented) A method of producing a shaped polymeric object comprising melting a composition comprising a poly-3-hydroxybutyrate-co-4-hydroxybutyrate (P3HB4HB) blend and a nucleant with no plasticizer, and producing a shaped object therefrom by extrusion, molding, coating, spinning, blowing, thermoforming or calendaring processes or combinations of the processes, wherein the composition is capable of forming a film having elongation.

69. (currently amended) The method of claim 68 wherein the elongation at break is in the range between 560% and 1100 as measured by tensile testing on molded bars (4 mm wide and 20 mm gauge length) (~~5x2 mm section, 42 mm gauge length, 10 mm: min crosshead speed~~).

70. (previously presented) The method of claim 68 wherein the nucleant is present at a level between 0.1 and 20 wt% of the composition.

71. (previously presented) The method of claim 68 wherein the nucleant is present at a level of 1 to 10% of the composition.

72. (previously presented) The method of claim 69 wherein the nucleant is present at a level between 0.1 and 20 wt% of the composition.

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73. (previously presented) The method of claim 69 wherein the nucleant is present at a level of 1 to 10% of the composition.

74. (previously presented) The method of claim 68 wherein the nucleant is boron nitride.

75. (previously presented) A shaped article made according to the method of claim 68.

76. (previously presented) A shaped article made according to the method of claim 69.